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11/17/97

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

EPA Region 5 Records Ctr.



301105

I. HEADING

Date: November 17, 1997
Subject: Metro Plating Time Critical Removal Action Site, Detroit, Wayne County, Michigan
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POLREP No.: 3 and Final

II. BACKGROUND

Site No.: B503
Delivery Order Numbers: 5001-05-431 (RES)
5001-05-687 (EQM)
Response Authority: CERCLA
Cerclis Number: MID 985 656 800
NPL Status: Not on NPL
MDEQ Notification: MDEQ notified
Latitude/Longitude: 42-22'19" North/83-04'30" West
Start Date: September 22, 1997
Completion Date: NA

III. SITE INFORMATION

The Metro Plating Inc. (MPI) site is located at 220 E. Milwaukee Street in Detroit, Wayne County, Michigan. The Metro Plating site is an abandoned electroplating, anodizing, and polishing facility which operated under the name of Metro Plating. In November 1996, the City of Detroit Environmental Department requested the U.S. EPA Region 5, Office of Superfund, Emergency Response Branch evaluate the property for a potential Emergency and/or Expedited Response Action.

Analytical results from samples collected during the site assessment on April 17, 1997, indicated that vats and drums contained various solutions with corrosive characteristics (pH ranging from 0.32 to 13.2). Many of the samples also contained high levels of TCLP zinc, nickel, chrome, copper, and lead. On August 1, 1997, an Action Memoranda was signed authorizing a time critical removal action. (Refer to POLREP #1 for more detailed site information.)

IV. RESPONSE INFORMATION

A. Situation

1. Current situation:

U.S. EPA, ERCS (EQM and their subcontractor Inland Waters Pollution Control (IWPC)), and START continued cleanup activities at the Metro Plating site. Cleanup activities were completed on November 13, 1997, and ERCS, U.S. EPA, and START demobilized from site on November 13 and 14, 1997.

2. Removal activities to date: November 10 - November 13, 1997

On November 10, 1997, ERCS continued removing liners from vats, rinsing vats, and preparing remaining vats for either hazardous disposal or scrap metal recycling (see Key Issues). Hi-Po Environmental (Hi-Po) removed and transported the 20-cubic yard rolloff box containing hazardous debris to the Environmental Quality (EQ)/Michigan Disposal, Inc. landfill in Belleville, Michigan. Hi-Po returned the 20-cubic yard rolloff box to the site. ERCS began loading hazardous debris and vats with liners as hazardous debris into the rolloff box.

On November 11, 1997, ERCS cut the vats with liners and loaded these vats and hazardous debris (floor and pit solids) into the rolloff box. ERCS completed pressure washing the floor of the vat/pit room. ERCS loaded the rinsed vats without liners into a nonhazardous rolloff box which Kimmel Scrap Iron and Metal Company, Detroit, Michigan, transported for recycling. Nortru Transportation, Inc. mobilized a truck, and ERCS loaded the 10 drums containing cyanide-contaminated caustic liquid. Nortru transported the drums to CyanokEM, Detroit, Michigan for disposal. Hi-Po delivered another 20-cubic yard rolloff box for hazardous debris (vats with liners and debris) and transported the second 20- cubic yard rolloff box of hazardous debris to the EQ/Michigan Disposal landfill.

On November 12, 1997, ERCS completed removal of vats, solids and decontamination area setup from the southwestern room/room 1. ERCS completed pressure washing the floor of the southwestern room/room 1. Hi-Po delivered a fourth 20-cubic yard rolloff box for hazardous debris and removed and transported the third rolloff box containing hazardous debris to the EQ/Michigan Disposal landfill. ERCS loaded the last vats, solids, and hazardous debris into the fourth rolloff box and decontaminated

the skidster loader. During the day, ERCS began demobilizing equipment and gear.

On November 13, 1997, Hi-Po mobilized a vacuum truck to remove rinsate liquids from the pit in the vat room. ERCS decontaminated the pit and added the decon water to the vacuum truck. Hi-Po transported approximately 1,220 gallons of liquid from the pit to City Environmental, Inc. for disposal. ERCS completed loading hazardous solids, debris, and personal protective equipment (PPE) into the fourth rolloff box, and Hi-Po removed and transported the rolloff box to EQ/Michigan Disposal landfill. ERCS demobilized equipment and personnel from the site. U.S. EPA and START demobilized from site. IWPC crew from Ohio demobilized to Cleveland on November 14, 1997.

3. Enforcement:

Enforcement activities are ongoing.

B. Planned Removal Activities

No further activities are planned.

C. Next Steps

U.S. EPA will await certificates of disposal and review final contractor costs.

D. Key Issues

Due to the difficulty and labor hours involved in removing the vat liners and decontaminating the vats, 7 vats with liners were disposed as hazardous debris and included in the rolloff boxes.

After the pit in the vat room was decontaminated, no cracks were noted at the bottom of the pit, and the pit appeared to hold rinsate liquids. No plating waste appeared to be able to migrate from the pit to subsurface soil. Based on this information, an extent-of-contamination (EOC) study was not conducted. An EOC was not necessary to determine whether any contamination was present in the building or pit because U.S. EPA was informed by the City of Detroit that the building is to be demolished and pressure washing the floors was deemed adequate to remove most of any contamination.

V. COST INFORMATION

Estimated Costs: (as of November 11, 1997)

	Ceiling	Total to Date
Extramural Costs		
ERCS Contractor (RES)	\$ 30,000	\$ 18,171
ERCS Contractor (EQM)	\$260,000	\$ 87,594
START Contractor (E&E)	<u>\$ 35,000</u>	<u>\$ 11,443</u>

Total Extramural Costs	\$325,000	\$117,208
Intramural Costs		
U.S. EPA Direct Cost	\$ 19,800	\$ 4,740
U.S. EPA Indirect Cost	\$ 39,000	\$ 10,286
U.S. EPA Other Costs	\$ 1,200	\$ 0
Total Intramural Costs	\$ 60,000	\$ 15,026
Project Ceiling	\$387,000	
Estimated Total Costs to Date		\$132,234
Percent of Project Funds Remaining	65.83%	

VI. DISPOSITION OF WASTES

Table 1				
Waste Disposal Summary Metro Plating Site				
Wastestream	Quantity	Date Shipped	Manifest Number	Disposal Facility
RQ, Waste corrosive liquid, NOS (waste acid, D002)	200 gallons	11/4/97	MI4590452	City Environmental, Inc., Detroit, MI
RQ, Hazardous waste liquid, NOS (D006)	2,806 gallons	11/5/97	MI4399617	City Environmental, Inc., Detroit, MI
RQ, Waste corrosive liquid, NOS inorganic acid (chromium, D002)	1,275 gallons	11/5/97	MI4399622	City Environmental, Inc., Detroit, MI
RQ, Hazardous waste solid, NOS (F008)	20 cubic yards (16,420 pounds)	11/10/97	MI4399696	EQ/Michigan Disposal, Inc., Belleville, MI
RQ, Waste corrosive liquids, toxic, NOS, (F007, D002)	10 55-gallon drums	11/11/97	MI4397552	CyanoKEM, Detroit, MI
Nonhazardous scrap steel	50 cubic yards	11/11/97	None	Kimmel Scrap Iron and Metal Company, Detroit, MI
RQ, Hazardous waste solid, NOS (F008)	20 cubic yards	11/11/97	MI4399912	EQ/Michigan Disposal, Inc., Belleville, MI
RQ, Hazardous waste solid, NOS (F008)	20 cubic yards	11/12/97	MI4399922	EQ/Michigan Disposal, Inc., Belleville, MI
RQ, Hazardous waste liquid, NOS (D006)	1,220 gallons	11/13/97	MI4399935	City Environmental, Inc., Detroit, MI
RQ, Hazardous waste solid, NOS (F008)	20 cubic yards	11/13/97	MI4399927	EQ/Michigan Disposal, Inc., Belleville, MI